

**What is claimed is:**

1. A plastic optical fiber bundle with pitched illumination decorations having a single plastic optical fiber, the surface of said plastic optical fiber being destructed in a pitched  
5 manner with a special mold before said plastic optical fiber forwarded to the cooling area, wherein an outer layer of said plastic optical fiber is distributed with pitched destructions formed based on an appropriate unit and only the out layer of said plastic optical fiber is destructed without affecting any inner layer of said plastic optical fiber; a plural of separate plastic optical fibers with pitched destructions form said plastic optical fiber  
10 bundle with pitched illumination decorations; said plastic optical fiber bundle produces a light leak effect when a power is turned on and an luminary or a spotlight bulb radiates light; the light is very soft without offending to eyes and can be used for different applications.
- 15 2. A plastic optical fiber bundle as cited in claim 1, wherein a connector is installed between two plastic optical fiber bundles with pitched illumination decorations for permanent connection.
- 20 3. A plastic optical fiber bundle as cited in claim 1, wherein a illumination structure is installed on each end of said plastic optical fiber bundles with pitched illumination decorations.
- 25 4. A plastic optical fiber bundle as cited in claim 3, wherein a luminary or a spotlight bulb is installed in said illumination structure of said plastic optical fiber bundles with pitched illumination decorations.